

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121523\
 Data File : VW027683.D
 Acq On : 16 Dec 2023 11:50
 Operator : SY/MD
 Sample : 05836-03
 Misc : 3.85g/10mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DCLS2

Quant Time: Dec 17 00:16:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121523SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sun Dec 17 00:15:03 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

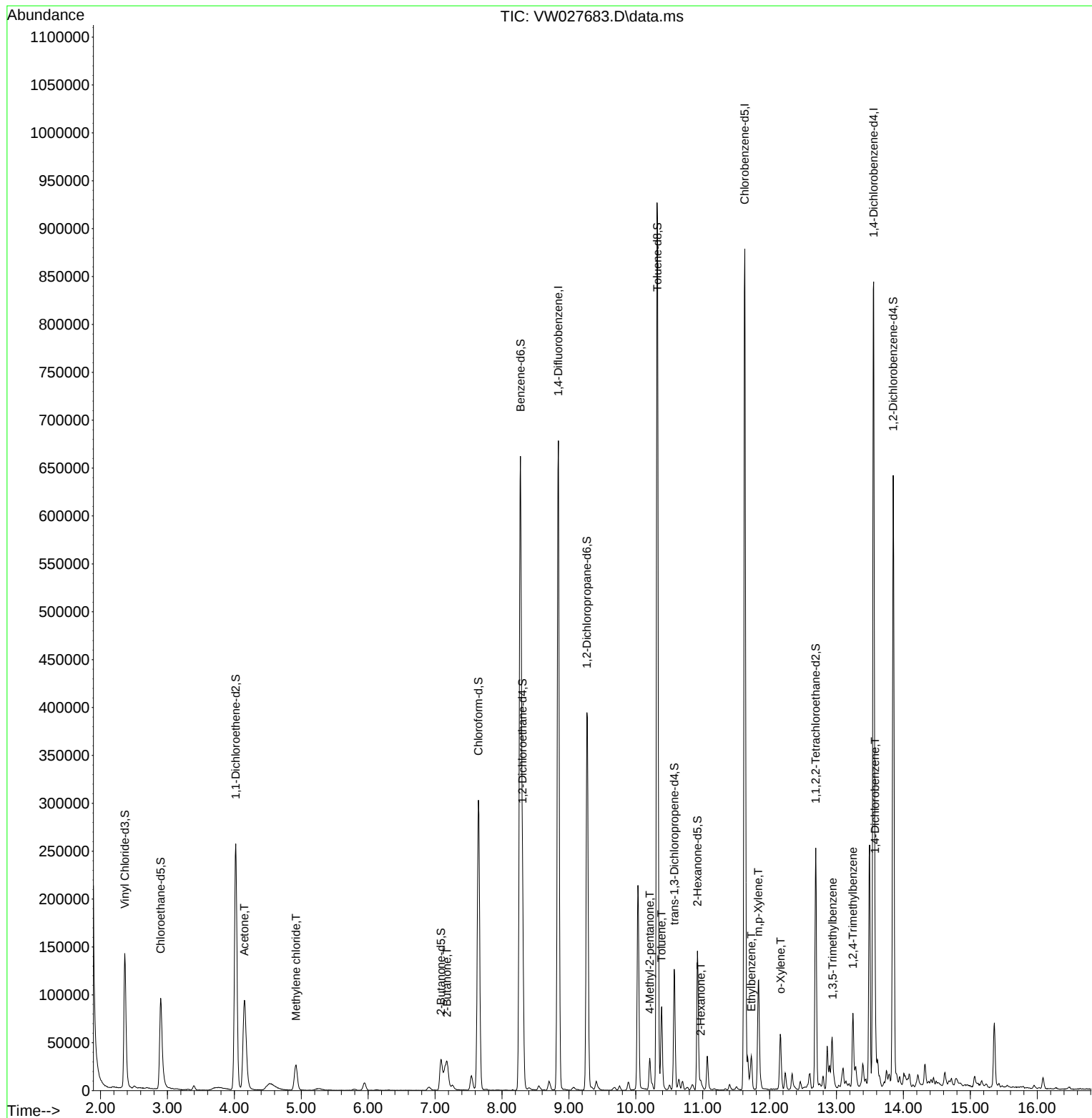
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	625091	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	532355	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	230528	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	197380	22.296	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.200%
7) Chloroethane-d5	2.899	69	151104	21.922	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.680%
11) 1,1-Dichloroethene-d2	4.021	65	78863	22.243	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.960%
21) 2-Butanone-d5	7.087	46	57678	38.261	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	76.520%
24) Chloroform-d	7.648	84	324605	21.823	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.280%
26) 1,2-Dichloroethane-d4	8.307	65	147780	21.160	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	84.640%
32) Benzene-d6	8.276	84	731395	23.508	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.040%
36) 1,2-Dichloropropane-d6	9.270	67	202551	22.979	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.920%
41) Toluene-d8	10.325	98	643519	22.293	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.160%
43) trans-1,3-Dichloroprop...	10.575	79	72832	21.341	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.360%
47) 2-Hexanone-d5	10.922	63	53052	41.301	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.600%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	129312	19.399	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	77.600%
66) 1,2-Dichlorobenzene-d4	13.848	152	175807	21.305	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.240%
Target Compounds						
					Qvalue	
13) Acetone	4.149	43	206483	150.888	ug/L	97
16) Methylene chloride	4.923	84	22685	2.315	ug/L	92
22) 2-Butanone	7.179	43	39151	21.545	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	21606	6.636	ug/L	99
42) Toluene	10.386	91	65272	1.966	ug/L	97
48) 2-Hexanone	10.971	43	4689	1.935	ug/L #	93
52) Ethylbenzene	11.727	91	23087	0.617	ug/L	89
53) m,p-Xylene	11.830	106	37088	2.581	ug/L	96
54) o-Xylene	12.166	106	13474	1.007	ug/L	86
62) 1,3,5-Trimethylbenzene	12.940	105	13937	0.536	ug/L	97
63) 1,2,4-Trimethylbenzene	13.245	105	47531	1.857	ug/L	95
65) 1,4-Dichlorobenzene	13.574	146	26082	1.847	ug/L	96

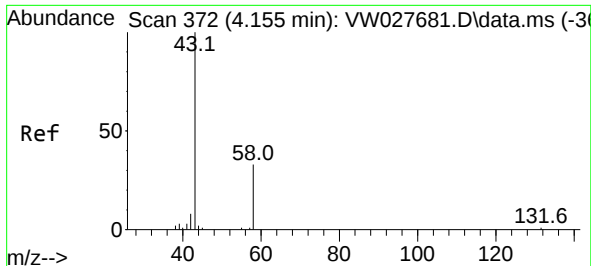
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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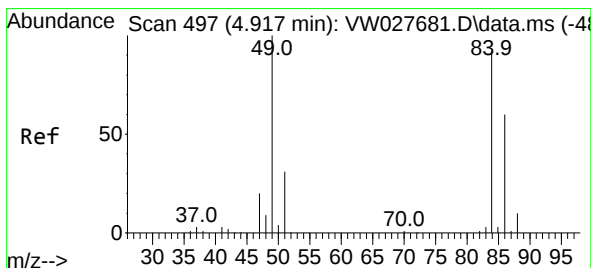
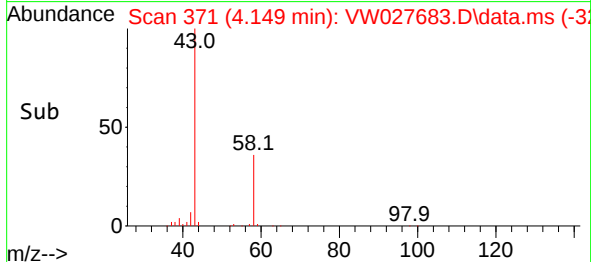
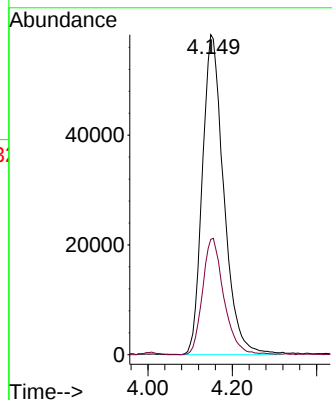
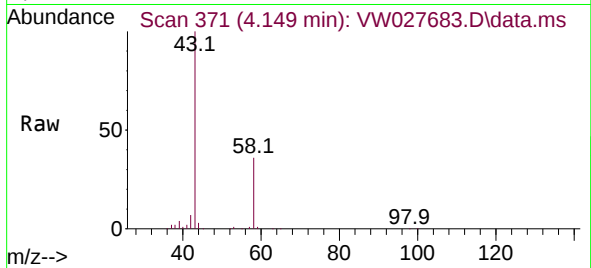




#13
Acetone
Concen: 150.888 ug/L
RT: 4.149 min Scan# 31
Delta R.T. -0.006 min
Lab File: VW027683.D
Acq: 16 Dec 2023 11:50

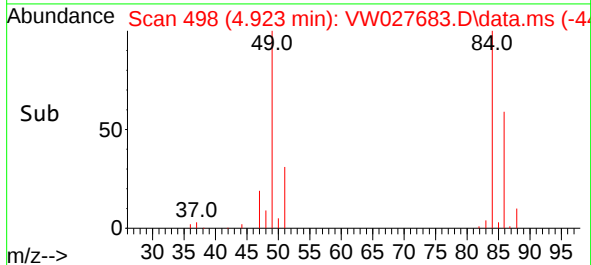
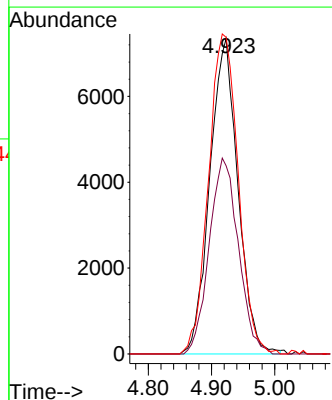
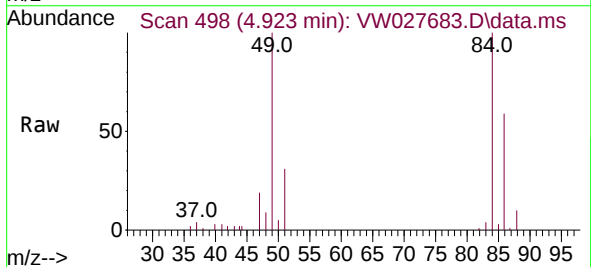
Instrument :
MSVOA_W
ClientSampleId :
DCLS2

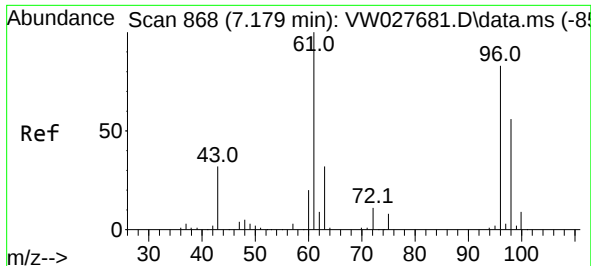
Tgt Ion: 43 Resp: 206483
Ion Ratio Lower Upper
43 100
58 35.9 0.0 68.6



#16
Methylene chloride
Concen: 2.315 ug/L
RT: 4.923 min Scan# 498
Delta R.T. 0.006 min
Lab File: VW027683.D
Acq: 16 Dec 2023 11:50

Tgt Ion: 84 Resp: 22685
Ion Ratio Lower Upper
84 100
86 59.7 45.8 85.2
49 100.4 76.2 141.6





#22

2-Butanone

Concen: 21.545 ug/L

RT: 7.179 min Scan# 868

Delta R.T. -0.000 min

Lab File: VW027683.D

Acq: 16 Dec 2023 11:50

Instrument :

MSVOA_W

ClientSampleId :

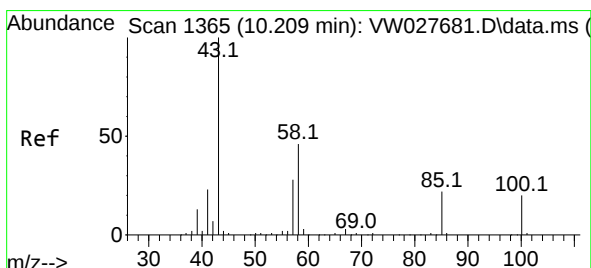
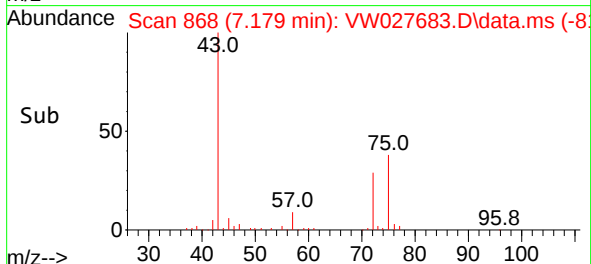
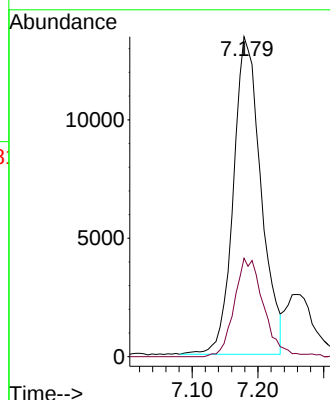
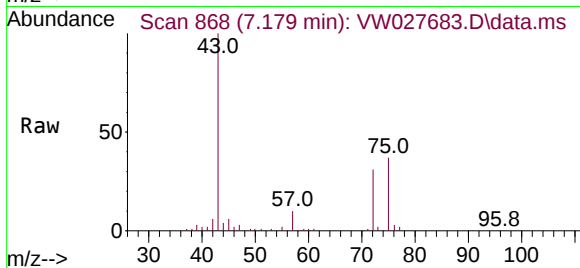
DCLS2

Tgt Ion: 43 Resp: 39151

Ion Ratio Lower Upper

43 100

72 32.7 16.1 48.2



#40

4-Methyl-2-pentanone

Concen: 6.636 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. -0.000 min

Lab File: VW027683.D

Acq: 16 Dec 2023 11:50

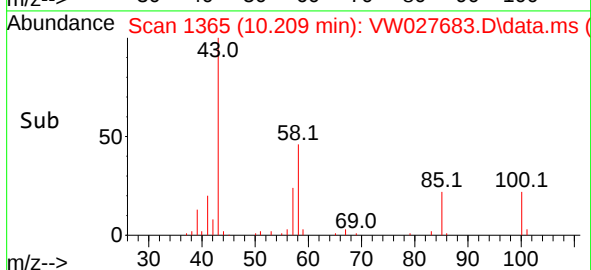
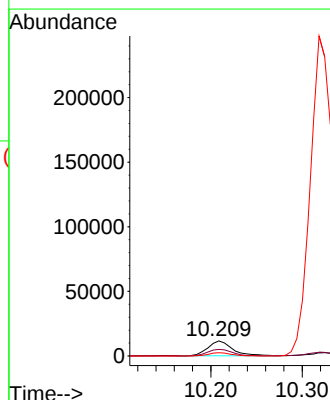
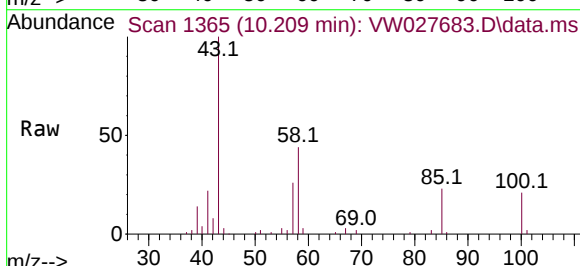
Tgt Ion: 43 Resp: 21606

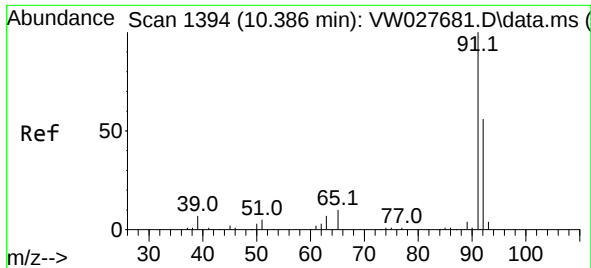
Ion Ratio Lower Upper

43 100

58 46.1 36.1 54.1

100 19.8 15.8 23.8

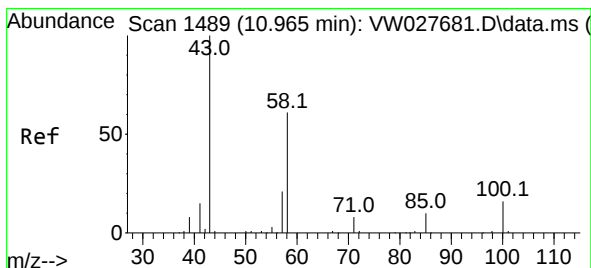
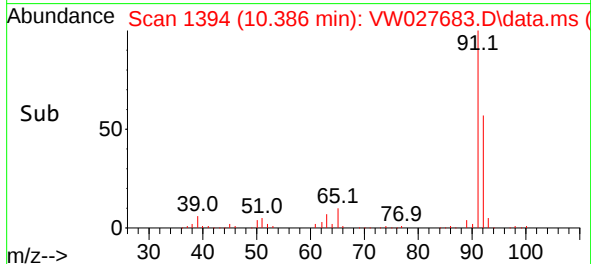
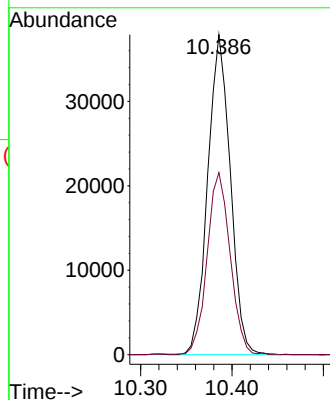
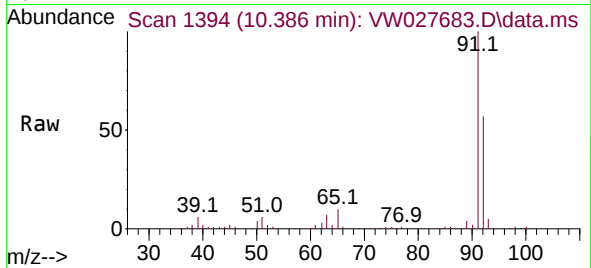




#42
Toluene
Concen: 1.966 ug/L
RT: 10.386 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW027683.D
Acq: 16 Dec 2023 11:50

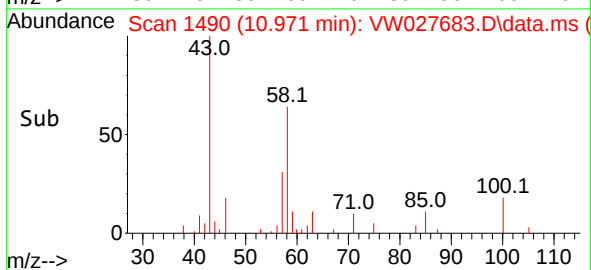
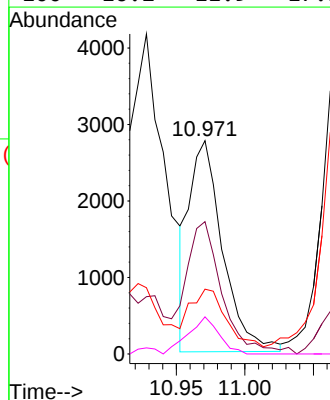
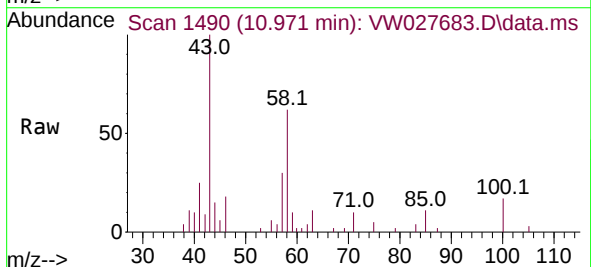
Instrument :
MSVOA_W
ClientSampleId :
DCLS2

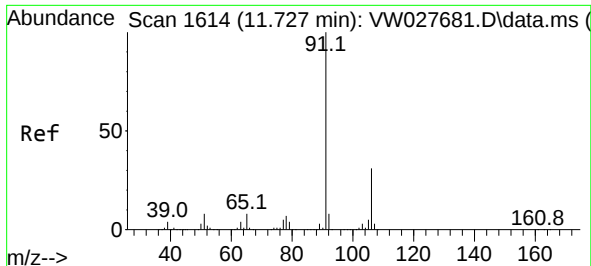
Tgt Ion: 91 Resp: 65272
Ion Ratio Lower Upper
91 100
92 56.9 41.2 76.4



#48
2-Hexanone
Concen: 1.935 ug/L
RT: 10.971 min Scan# 1490
Delta R.T. 0.006 min
Lab File: VW027683.D
Acq: 16 Dec 2023 11:50

Tgt Ion: 43 Resp: 4689
Ion Ratio Lower Upper
43 100
58 66.0 50.4 75.6
57 29.9 17.0 25.6#
100 16.2 11.9 17.9

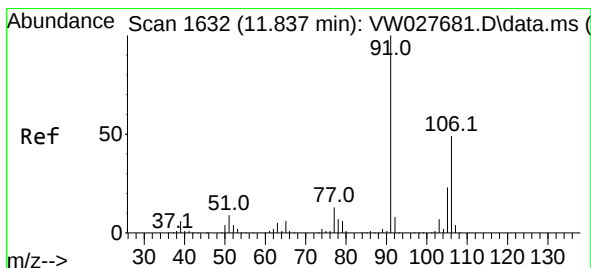
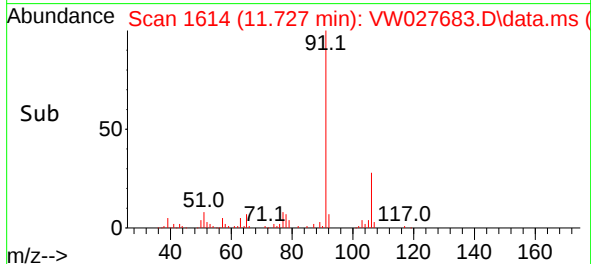
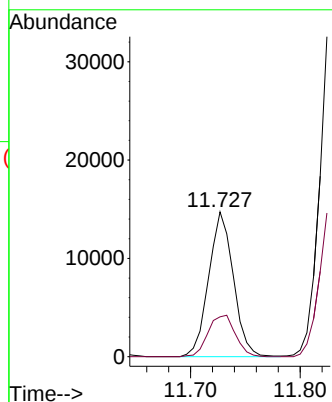
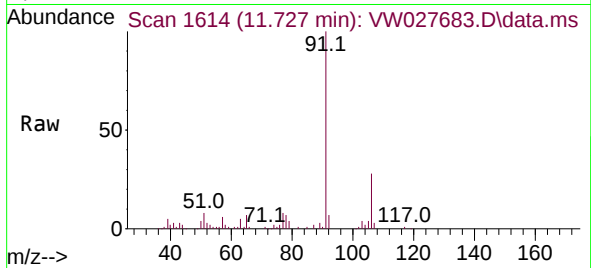




#52
Ethylbenzene
Concen: 0.617 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW027683.D
Acq: 16 Dec 2023 11:50

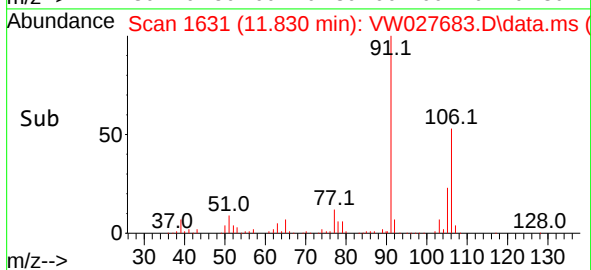
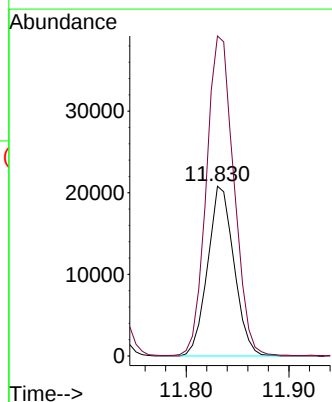
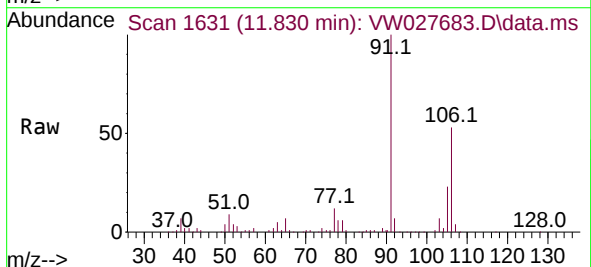
Instrument :
MSVOA_W
ClientSampleId :
DCLS2

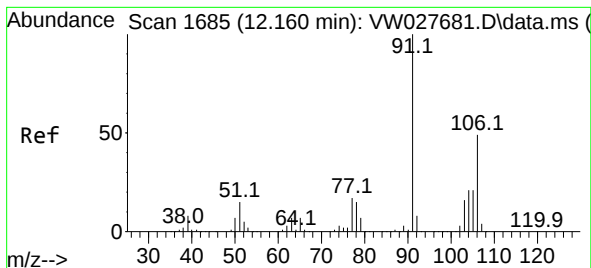
Tgt Ion: 91 Resp: 23087
Ion Ratio Lower Upper
91 100
106 27.6 23.7 44.1



#53
m,p-Xylene
Concen: 2.581 ug/L
RT: 11.830 min Scan# 1631
Delta R.T. -0.006 min
Lab File: VW027683.D
Acq: 16 Dec 2023 11:50

Tgt Ion: 106 Resp: 37088
Ion Ratio Lower Upper
106 100
91 188.5 135.7 251.9





#54

o-Xylene

Concen: 1.007 ug/L

RT: 12.166 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW027683.D

Acq: 16 Dec 2023 11:50

Instrument :

MSVOA_W

ClientSampleId :

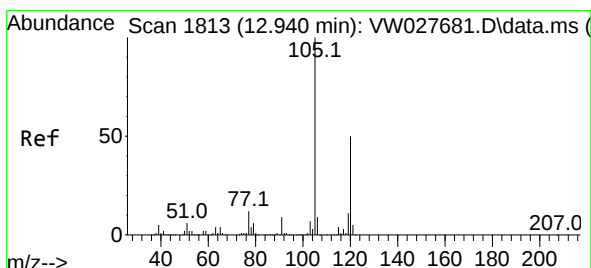
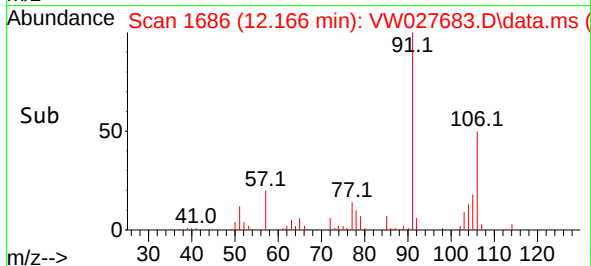
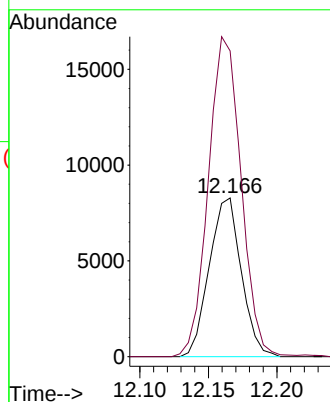
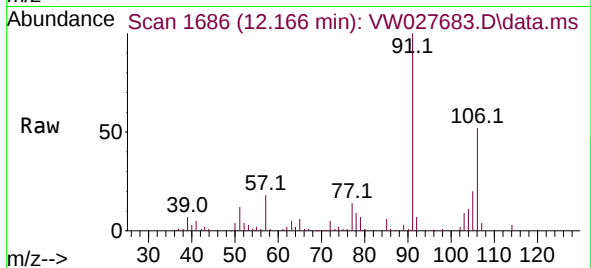
DCLS2

Tgt Ion:106 Resp: 13474

Ion Ratio Lower Upper

106 100

91 192.7 149.9 278.3



#62

1,3,5-Trimethylbenzene

Concen: 0.536 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW027683.D

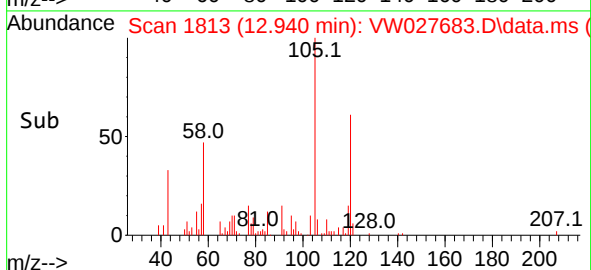
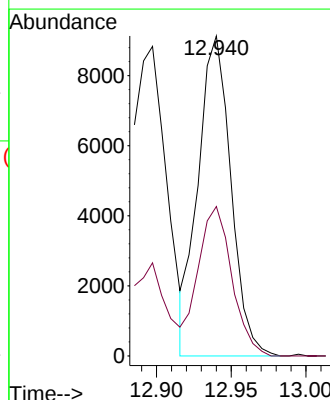
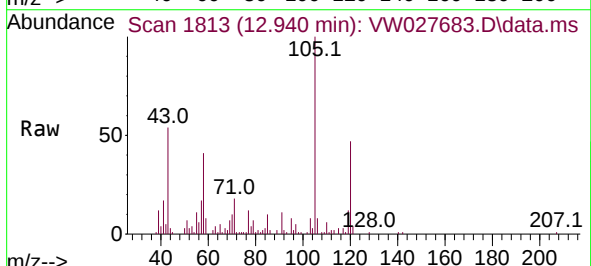
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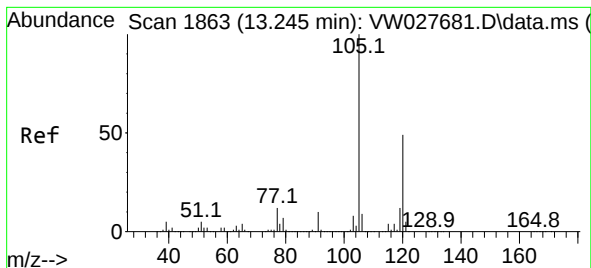
Tgt Ion:105 Resp: 13937

Ion Ratio Lower Upper

105 100

120 48.2 40.0 60.0





#63

1,2,4-Trimethylbenzene

Concen: 1.857 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. -0.000 min

Lab File: VW027683.D

Acq: 16 Dec 2023 11:50

Instrument :

MSVOA_W

ClientSampleId :

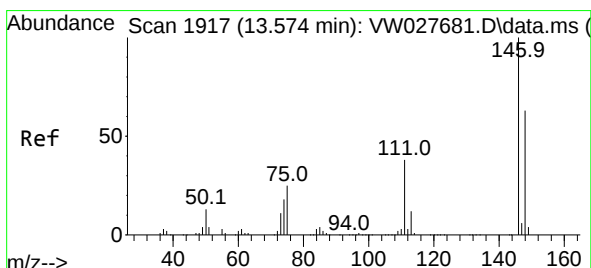
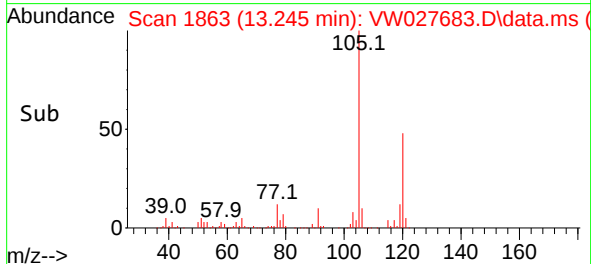
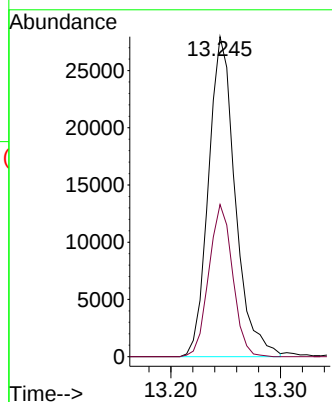
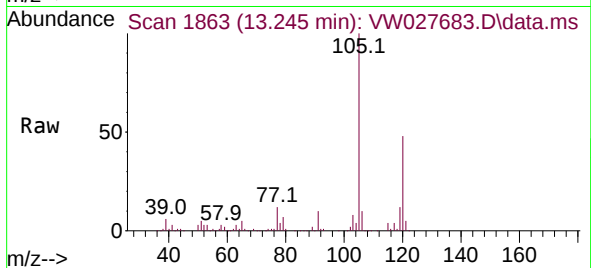
DCLS2

Tgt Ion:105 Resp: 47531

Ion Ratio Lower Upper

105 100

120 42.1 36.4 54.6



#65

1,4-Dichlorobenzene

Concen: 1.847 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW027683.D

Acq: 16 Dec 2023 11:50

Tgt Ion:146 Resp: 26082

Ion Ratio Lower Upper

146 100

111 41.4 26.2 48.6

148 64.2 46.3 85.9

